

# Database design for the Wily And Sinister Party (WASP)

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## Introduction

We were tasked with creating a database for the political party, the Wily And Sinister Party or WASP. The database needed to track their members, their assets, enemies, grants, roles, other political parties, sponsors and member relationship (enemies, marriage, partner etc.).

We got a document containing all the requirements for the database, we used that info to create a ER diagram that we then used to create the code for the database creation.

The tools we used were Draw.io website to create the ER diagram and Google docs to collaborate on this report.

### a) Assumptions:

- From the description of the project, it was uncertain weather we were allowed to reference the ID primary keys of other tables, as that would require us to “create an ID where it is not specified”.
- It was unclear if the group of people that could be classified as “Enemies” would require require a separate table like the one for “Members” or if it was just a variable inside of some other table.

### b) Important design decisions:

- We decided Roles needed a table joining it to Members that contain the information about start, end dates and salary.
- We decided to make Enemies a variable inside of the Opponents table instead of its having it be its own table like Members

### c) Non represented requirements:

- A check to make sure that every row of the Members table and the Opponents table don't have a null value for startdate.
- Trigger to make sure a Member isn't his own enemy in Opponents table